

Date: 15 Sep 1994 00:40:58 GMT
From: ihnp4.ucsd.edu!swrinde!emory!europa.eng.gtefsd.com!news.uoregon.edu!
usenet.eel.ufl.edu!marlin.gulf.net!news@network.ucsd.edu
Subject: 2m antenna for apartment?
To: ham-ant@ucsd.edu

I would like to build my own 2m/440 antenna. I live in an apartment so it must be inside. I have a great location near a window on the second floor in FL. Could anyone suggest an antenna that is fairly easy to build and would give me good results? As most hams, I have little \$\$\$ to invest. I am concerned with the results of the antenna as I intend to do a lot of packet and am worried about not being heard by other TNC's causing packet collisions.

Thanks for any replys. 73 de N2UST, Pensacola, FL

Sean

Date: Sat, 17 Sep 1994 02:56:37 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
Subject: 2m vertical in my tree - how to?
To: ham-ant@ucsd.edu

zardo@ornews.intel.com (Jim Garver) writes:

>I was just up to the top of one of my 70' Cedar trees the other day.
>The tree has grown another 4 feet in the last few years and has
>assimilated some of the ropes I had up there holding the mast on. The
>ropes are inside the tree now.

I believe that rope that has been 'swallowed' by your tree might cause future problems with regard to it's health. I think QST ran an article a long time ago about how to use your tree as an antenna support without doing any long term damage - wire or rope around the circumference was definitely *not* in the best interest of the tree's longevity.

NH6IL jeffrey@math.hawaii.edu
... .._

Date: Sat, 17 Sep 1994 06:00:24 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!usc!nic-nac.CSU.net!
channel.ecst.csuchico.edu!csusac!csus.edu!netcom.com!veltman@network.ucsd.edu
Subject: 9913 feedline question
To: ham-ant@ucsd.edu

J.D. Cronin (jdc3538@ultrb.isc.rit.edu) wrote:

: How does one run 9913 feedline to a rotor-mounted antenna? Can
: a length of RG-8 be spliced in for flexibility, or is a connector
: needed?

: 73...Jim N2VNO

Jim,

If I've read your question correctly, you want to attach the coax to the tower, and when you rotate the antenna, you are concerned that the coax will pull tight and not function correctly.

Do this. Tie off the coax just under the rotor. Loop the coax so that there is a good long piece that sags down next to the tower. Then tie it next to the antenna boom. That should solve your slack problem without the need to splice any cable.

If there is another problem, tell me and I'll look further.

73

Paul WA6OKQ <veltman@netcom.com>

Date: Sat, 17 Sep 1994 11:32:34 GMT
From: newsflash.concordia.ca!nstn.ns.ca!cs.dal.ca!cfn.cs.dal.ca!aa770@uunet.uu.net
Subject: Discones as transmitting antennas
To: ham-ant@ucsd.edu

pruth@ocvaxa.cc.oberlin.edu wrote:

: Here are a few questions for discone users. I have a
: whip, since I've been told RS is in reality selling a
: 'topless' discone, unlike the Diamond discone which has
: the 'complete' discone with base-loaded vertical whip.
: that is, how close to the horizon is it?
: 2. Does the pattern change with frequency, and if so, how?
: 3. Does having a vertical element affect this pattern?

No it doesn't seem to from my experiments

: 4. Should the vertical element be trimmed to work well
: on 2M/70cm?

No you shouldn't have to worry about trimming for 70/2M as the lengths of
of the top radials on attached to the top of the discones effect the band
the length can be increased to 30 to forty feet and allow HF use such ant.
are in use by the Military just east of Edmonton, Alberta.

: 5. Would I be better off simply removing the vertical element?

Do you plan on using the antenna for other anything other than 2m/70cm?
If not then I guess it is up to you as it didn't effect the rx/tx .

: The ARRL antenna book has plans for a homemade discone, without
: vertical element, and this leads me to suspect the vertical
: element is for enhancing receive capability (for scanners)
You hit it on the button if you don't have the vertical portion the
receive starts to taper off around 80-90 Mhz by adding the vertical it
lowers the receive capability to somewhere between 20-30 Mhz.

: I would very
much like to use the discone
for now as my : primary 2M/70cm transceiving antenna, as well as continue
: to use it as my scanner antenna. I've polled this newsgroup
: recently about the discone vertical-element question before,
: and now that Brett the Mesmerizer has shared his good
: results with his discone on 2M, I'd like to know from the
: Discone Amateur Subculture how you like this bizarre little
: aerial? Thanks. --Bill KB8USZ

For my final comment I would say that the discone ant. offers a cheap way
to get going on 2M/70cm . It offers little or no blind spots . But the
reason you don't see lots in use is because of its gain . It has what
they call unity gain another words 1:1 ratio so if your HT is putting out
5 watts your coax up loses 4 watts your antennae puts out 1 watt with no
gain for a local repeater or local simplex that is quite adeqate but for
other uses it limits you quite abit. You can build your self a J-pole
easier (I did) than the discone (I did) and the performance difference
was about 3-4 S units using same elevation cable and simplex station.
So there you go Bill don't throw it away but for around \$8.00 build
yoursel a J-pole and see what you come up with . 73's best of luck....
de Rob VE1bt....--

Robert Harplle	Net: aa770@cfn.cs.dal.ca
Callsign VE1BT	AX.25 VE1BT@#VE1BBS.NS.CA
Locator FN84il	
Dartmouth, Nova Scotia, Canada	

Date: Fri, 16 Sep 1994 05:18:09 GMT
From: ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!rosebud.sdsc.edu!

news.tc.cornell.edu!news.cac.psu.edu!howland.reston.ans.net!europa.eng.gtefsd.com!
news.umbc.edu!hookup!nic.ott.@ihnp4.ucsd.edu
Subject: Gap Antennas
To: ham-ant@ucsd.edu

YES, they do work well! Have had one for 2 years up here in all sorts of stormy conditions and high winds (Ottawa, Canada). Nice thing about is that it even can handle 2/6M (note here with little gain but great for restricted areas). It gets out well noting that other verticals such as the R7 give a bit more gain at the higher frequencies (ie-10, 15, 17M). I know as I also have one and compared the 2. It does lose out a bit on 80M for close in work but better on longer distance (part is due to its radiation pattern from it being a vertical dipole). also to help here redials are recommended. As long as it is guyed down it works great. for the \$\$ and no tuning required upon installation it good for the money. Hope the above helped, Jacques VE3TSC

Date: 16 Sep 1994 06:30:23 -0400
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!
charnel.ecst.csuchico.edu!yeshua.marcam.com!news.kei.com!eff!wariat.org!
malgudi.oar.net!satelnet.org!satelnet.org!usenet@network.UCSD
Subject: HF Mobile . . .
To: ham-ant@ucsd.edu

In <35a21g\$3o6@krel.iea.com> pfeuffer@comtch.iea.com (Joe Pfeuffer) writes:

>. . . I'm looking for the company that makes a mount for an HF whip to a
>trailer hitch. Any help would be appreciated.

>73

>KW1K

>P.S. If I can get on HF mobile -- I'll be able to drive 90 miles and put
>some of them "rare" Idaho and Montana counties on the air!

Have you looked at the High Sierra 3.5-30MHz mobile 'screwdriver'
antennas? I'm even considering putting one up at home because of the
frequency range of the antenna. It's about three feet tall and has a 5-6
foot whip that extends above that. They advertise in CQ - let me know if
you need more information.

Date: Sat, 17 Sep 1994 05:45:59 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!

usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!csus.edu!netcom.com!
veltman@network.ucsd.edu
Subject: HF Mobile . . .
To: ham-ant@ucsd.edu

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: KW1K

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: some of them "rare" Idaho and Montana counties on the air!

Joe,
There was a county hunter with the call of K5DC I believe. I think that
he has what you are looking for. In fact, if memory serves, AES in Las
Vegas may sell them. If you go over to Montana, Daniels (in the
northeast corner) is my last in 7 land.

73

Paul WA6OKQ/M <veltman@netcom.com>

Date: 17 Sep 1994 09:34:23 -0400
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!csulb.edu!nic-
nac.CSU.net!usc!cs.utexas.edu!swrinde!gatech!swiss.ans.net!malgudi.oar.net!
satelnet.org!satelnet.org!usenet@network.
Subject: High Sierra, Loop, or Random Wire?
To: ham-ant@ucsd.edu

I live in an area where antenna restrictions abound, and I'm looking at
getting a High Sierra antenna system to put somewhere in my house
(preferably the attic). I've also looked at the 'loop' antennas from MFJ
and AEA.

For those who haven't seen one of the High Sierra's before, they are a
'screwdriver' type of antenna that allows for reception and transmission
from 3.5MHz to 30MHz.

Here's the problem: The antenna is about 3 feet tall, and the whip that
is added to the antenna is about 5 and 1/2 feet. Unfortunately, I only
have about 6 feet in my attic to mount an antenna. I called the folks at
High Sierra, and they said their antenna _could_ be mounted at an angle,

but it would affect the polarization of the signal. They suggested mounting it outside where it could be perfectly vertical.

My question: Would mounting the antenna at an angle really be much of a problem? Obviously, I'd like to get as much DX out of my rig as possible under the circumstances. Is vertical the ONLY way that this antenna is going to be any good? Does anyone have any experience with the High Sierra? I'm nearly tempted to cut a hole in the ceiling of a closet to get some extra ceiling space so that the antenna can be mounted completely vertically (obviously I'm hooked on Amateur Radio).

My requirements at this time are for HF only (it should be easy enough to get a 2M antenna in the attic). What about the options in my attic? Is a loop antenna a good alternative, even without the 3.5-10MHz transmit range? I'm limited on the length of space in my attic - would a random wire and a tuner work just as well? How long should a 'random' wire be? Are there other options that I'm not considering?

Date: Sat, 17 Sep 94 09:46:19 -0500
From: news.delphi.com!usenet@uunet.uu.net
Subject: R5 Adjustments
To: ham-ant@ucsd.edu

Glen Johnson <wb2mpk@gti.gti.net> writes:

>Question. I've installed a brand new R5 vertical, and the SWR is 3:1 on
>17m. Now, I managed to toss the instructions in the garbage, so I'm
>hoping someone can tell me which part(s) of this antenna to adjust to get
>that figure down. The antenna is 1.5:1 or less on the other 4 bands. Help?

I bet Cushcraft would be happy to send you a new set of instructions.

End of Ham-Ant Digest V94 #313
